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AR00062PU-N Human Fibronectin - Purified

Alternate names: CIG, Cold-insoluble globulin, FN1

Quantity: 1 mg

Concentration: 4.28mg/ml (OD280nm, E0.1% = 1.3)

Background: Fibronectin is a glycoprotein present in a soluble dimeric form in plasma, and in a dimeric or multimeric form at the cell surface and in extracellular matrix. Fibronectin is involved in cell adhesion and migration processes including embryogenesis, wound healing, blood coagulation, host defense, and metastasis. They occur as dimers of two 250 kDa subunits. They have binding domains for bacterial proteins, collagens, heparin-like molecules and fibrin. Cellular fibronectin is widely distributed in the stroma of malignant tumours.

Uniprot ID: P02751

NCBI: NP_002017.1

GeneID: 2335

Species: Human

Source: Plasma

Format:
State: Liquid purified protein
Purity: >95% pure (SDS-PAGE). Column chromatography
Buffer System: 0.01M Tris-HCl, pH 7.4 containing 0.15M Sodium chloride

Applications: Suitable to promote the adhesion and propagation of cells in vitro when used to coat cell culture surfaces, including plasticware, glassware and microcarrier beads. After spin and opening of the vial, completely thaw the tube at 37şC without agitation, flicking or mixing, then gently mix the contents with a pipette.
Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Description: Human Fibronectin
Molecular weight: 220kDa

Storage: Store the protein at -70°C.
Avoid repeated freezing and thawing.
Shelf life: one year from despatch.

Caution: Source material supplied to your facility has been tested for the detection of HIV antibody, Hepatitis B surface antigen, antibody to Hepatitis C, HIV 1 antigen(s), antibody to HTLV - I/II, and syphilis with FDA approved test kits. All units were found to be non-reactive/negative for these tests. Nevertheless, all products from human sources should be handled as potentially infectious.

General Readings: Moser, T.L., et al., (1993), J. Biol. Chem., 268, 18917-18923.